

## METHAMPHETAMINE

- Detective Chuck Blalock
- Phoenix Police Department
- Drug Enforcement Bureau

## Methamphetamine History

- 1: Methamphetamine derivative was first synthesized by a Japanese chemist in 1919.
- 2: Formerly manufactured illicitly by mostly outlaw biker gangs.
- 3: Most prevalent clandestinely produced controlled substance in the U.S.

## Meth Manufacture

- Red Phosphorus/Ephedrine reduction
- most common in Arizona
- Anhydrous ammonia method (Nazi)
- most common in the mid-west U.S.
- Phenyl-2-Propanone (P2P or Prope Dope)
- most common in the 70's & 80's

## Chemicals

- 1: Ephedrine/Pseudophedrine
- (cold & flu medication)
- 2: Iodine crystals/tincture
- (tack & feed stores)
- 3: Red Phosphorus
- (matches/road flares)

## Chemicals (cont)

- 4: Alcohol
- (isopropyl/denatured)
- 5: Ether
- (engine starter fluid)
- 6: Toluene
- (brake cleaner)

## Chemicals (cont)

- 7: Methanol (gas additive)
- 8: Sulfuric Acid (drain cleaner)
- 9: Muriatic Acid (pool acid)
- 10: Salt (table or rock salt)
- 11: Sodium Hydroxide (lye)

### Chemicals (cont)

- 12: Trichloroethane (gun cleaner)
- 13: Acetone
- 14: Kitty litter
- 15: Hydrogen Peroxide

### Solvents

- \*Paint thinner
- \*Coleman fuel
- \*Lighter fluid
- \*Unleaded gas

### Nazi Method

- Anhydrous ammonia
- (farm fertilizer)
- Sodium metal
- Potassium metal
- Lithium metal \*most common\*
- (camera batteries)

### Equipment

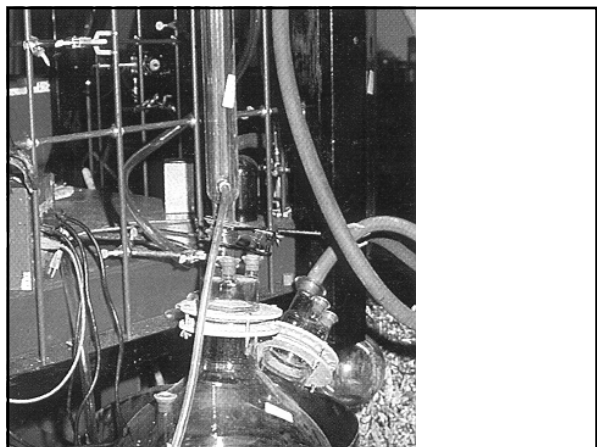
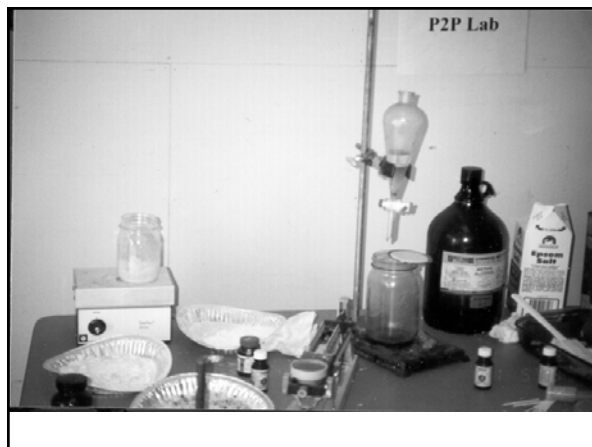
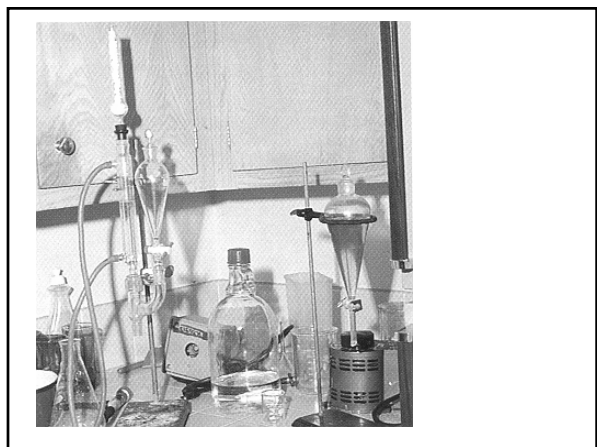
- Pyrex or Corning cookware
- Plastic jugs & bottles
- Funnels
- Coffee filters
- Cheesecloth
- Blender
- Rubber tubing
- Rubber gloves
- Plastic gas can

### Equipment (cont)

- Duct tape
- Mason jars
- Strainers
- Turkey baster, tea jug
- Aluminum foil
- Gas mask
- Heat source, Camp stove, hot plate, etc
- Propane cylinder: Nazi method

### Cook

- Step #1: pill extraction
- Step #2: cook
- Step #3: separation
- Step #4: salting out



## Safety Rules

- \*If you see anything indicating that a lab is present, EXIT THE PREMISES
- \*DON'T- touch anything
- \*DON'T- smoke
- \*DON'T- turn on or off the lights
- \*DON'T- turn off power

## Common Lab Locations

- Hotels
- House or Apartment
- Motor-homes
- Storage sheds/ garages
- Open areas, Rural

## Detection

- Brown or rust colored stains on carpet, walls or ceiling.
- \*\*\*STARCH\*\*\*

## Physical indicators

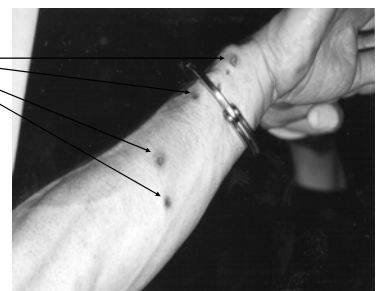
- MANUFACTURE:
  - \*Chemical burns to hands & fingers
  - \*Brown or rust colored spots on clothes
  - \*Burned or chapped eyes & nose
  - \*Raspy voice
  - \*Respiratory problems

## Physical indicators

- USE:
  - Burned or chapped lips
  - Burned fingertips (thumb & index finger)
  - Poor hygiene
  - Sores
  - "Track" marks

## TWEEK SPOTS ON ARM

- Tweek Sores on Arm



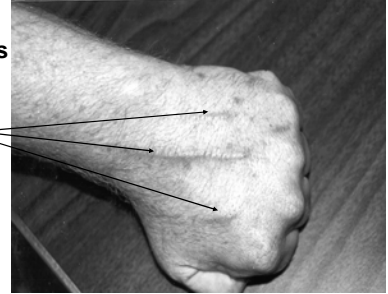
## TWEEK SORES ON FACE

- TWEEK SORES ON FACE THAT BECAME INFECTED FROM SCRATCHING



## NEEDLE TRACKS

- Needle Tracks on Hand where injections were made into veins.



## Methamphetamine Injection point

- Meth Injection Point
- Infected Area
- This Subject Is Still Using the Infected Area to Inject Meth Into His Body



## Decontamination

- Incident documentation:
- \*date and time of contact with patient
- \*amount of exposure time with patient
- \*observations
- \*statements made by the patient
- \*type of chemical

## Decontamination (cont)

- \*patients shoes and clothing
- \*bed-sheets
- \*any area of patient contact
- MOST IMPORTANT      \*\*YOU\*\*

## Physical effects

- \*increased heart rate
- \*irregular heartbeat
- \*increased blood pressure
- \*respiratory problems
- \*cardiovascular collapse
- \*dilated pupils
- \*irreversible damage to blood vessels in the brain, producing strokes
- \*death

### Additional Health Effects

- Carcinogenicity (Cancer)
- Hepatotoxicity (Liver Damage)
- Neurotoxicity (Nervous System)
- Nephrotoxicity (Kidney Damage)

### Toxicology Variables

- Personal Tolerances
- Variable Sensitivities
- \*\*\*age
- \*\*\*medical history
- \*\*\*gender
- \*\*\*general state of health
- \*\*\*personal habits
- \*\*\*medications taken

### Routes of Entry

- INHALATION
- ABSORPTION
- INGESTION
- INJECTION

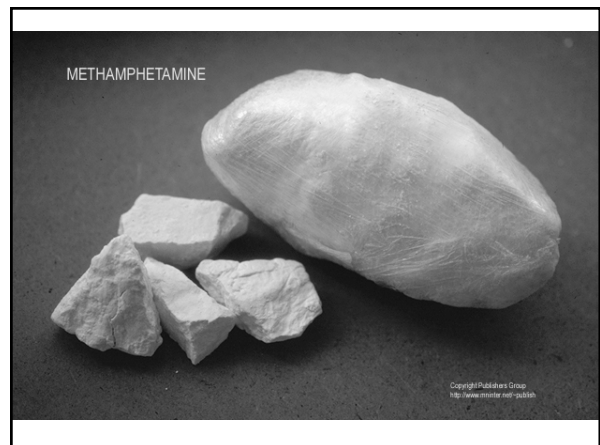
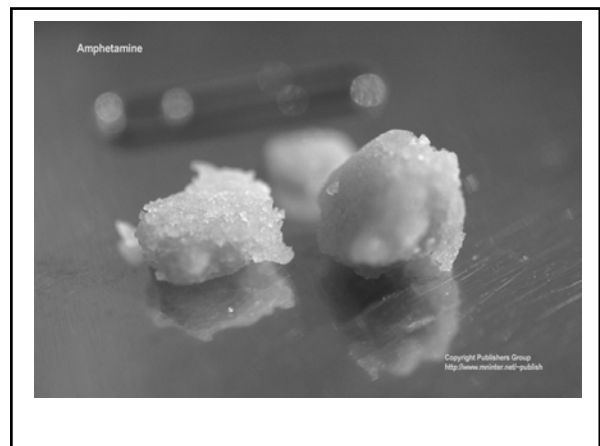
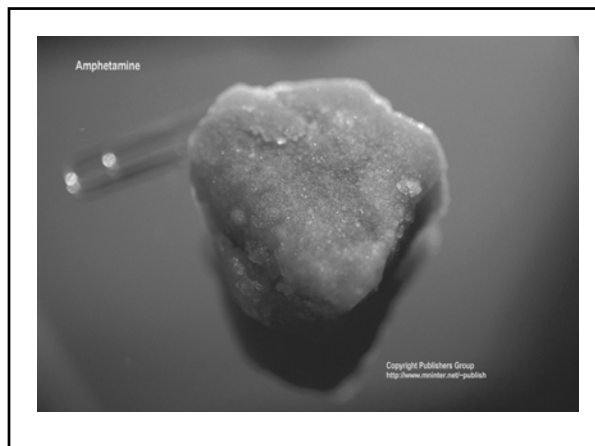
### Mental effects

- PARANOIA
- METHAMPHETAMINE PSYCHOSIS

### Meth Description

- Off-white to tan in color.
- Can be pink (rosebud), green (evergreen) & brown (peanut butter) in color.
- Most commonly found in a form similar in appearance to glass crystals (glass)
- Strong chemical odor (described as smelling like "cat urine" or "rotten eggs")





### Method of use

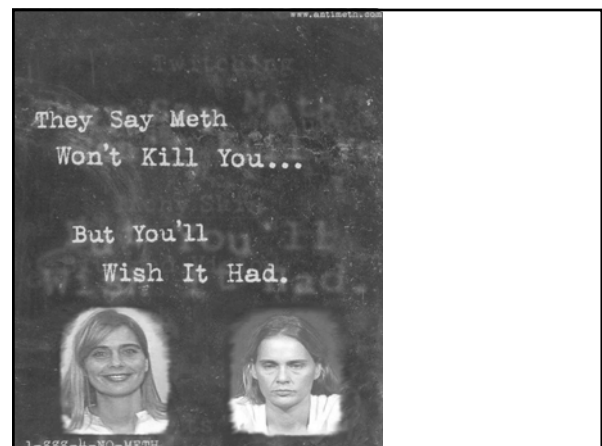
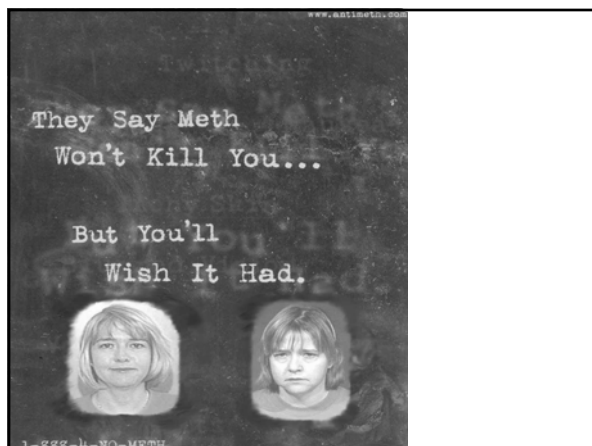
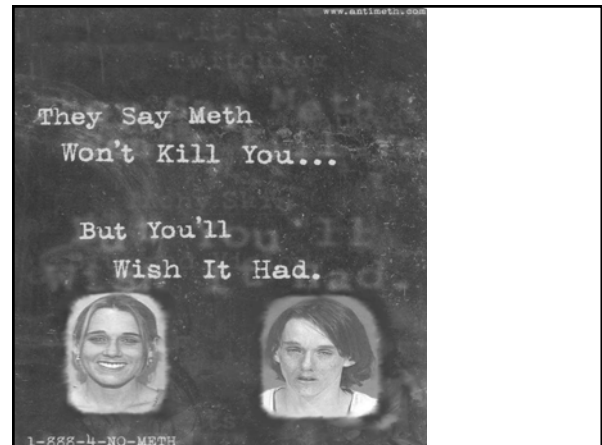
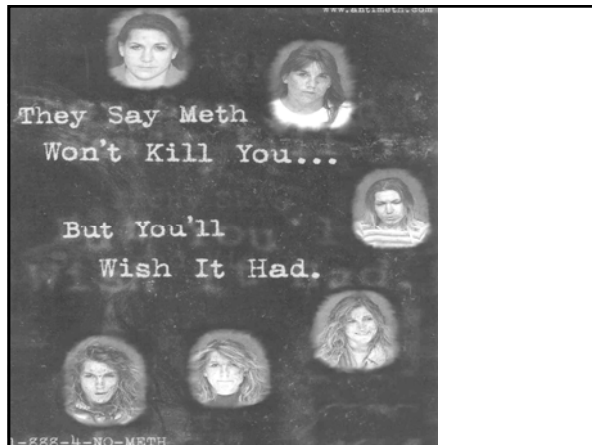
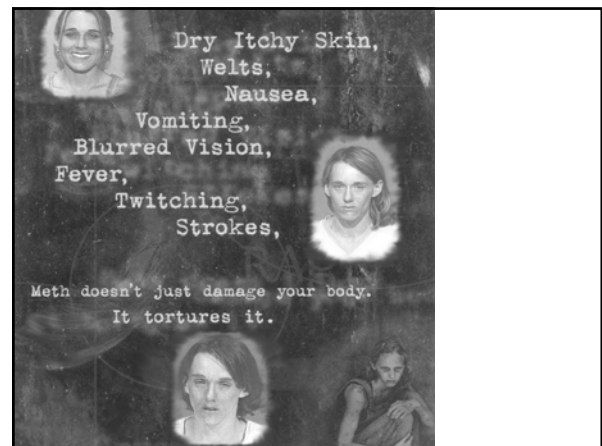
- Snorting
- Smoking
- Injection

### Street Names

- |           |        |
|-----------|--------|
| • Speed   | Tweak  |
| • Crystal | Ice    |
| • Crank   | Glass  |
| • Go Fast | "G"    |
| • Zip     | Teener |
- Sometimes named for the color or texture, ie; rosebud, evergreen, peanut butter

## Street amounts & pricing

• TERM	AMOUNT	PRICE
• 1/4	¼ gram	\$20-25
• ½ teener	.89 grams	\$40-50
• Teener	1/16 oz/1.7gr	\$80-110
• 8-ball	1/8 oz/3.5 gr	\$120-180
• OZ	1 oz/28 gr	\$450-1000
• LB	1 lb/453 gr	\$4500-10000
• Kilo	2.2 lbs	\$15000-20000



Questions???